

Title (en)
ergonomic pointing device

Title (de)
ergonomische Zeigegerät

Title (fr)
dispositif de pointage ergonomique

Publication
EP 2163969 A2 20100317 (EN)

Application
EP 09180438 A 20011120

Priority
• EP 01995147 A 20011120
• US 25245100 P 20001121

Abstract (en)
An ergonomic positioning device has a horizontal base (112; 130), a rollerbar (54; 210) having a curved or rounded surface and being depressibly mounted to allow motion with respect to said horizontal base, and a single optical sensor (106; 218; 128) mounted facing the curved or rounded surface to detect translation and rotation of the rollerbar by comparing images of the curved or rounded surface at known time intervals. The optical sensor (106; 218; 128) is mounted to focus on the rollerbar and has a focal range which includes the rollerbar also when depressed, wherein the response of the optical sensor is substantially invariant to the rollerbar motion.

IPC 8 full level
G06F 3/033 (2013.01); **G06F 3/02** (2006.01)

CPC (source: EP US)
G06F 3/0202 (2013.01 - EP US); **G06F 3/0213** (2013.01 - EP US); **G06F 3/0312** (2013.01 - EP US); **G06F 3/0354** (2013.01 - EP US);
G06F 3/0362 (2013.01 - EP US)

Designated contracting state (EPC)
DK FI SE

DOCDB simple family (publication)
WO 0243046 A1 20020530; WO 0243046 A9 20031106; WO 0243046 B1 20021205; DK 1281170 T3 20100315; DK 2163969 T3 20141110;
EP 1281170 A1 20030205; EP 1281170 A4 20040929; EP 1281170 B1 20091223; EP 2163969 A2 20100317; EP 2163969 A3 20100811;
EP 2163969 B1 20140806; US 2002126025 A1 20020912; US 2007176897 A1 20070802; US 7199792 B2 20070403

DOCDB simple family (application)
US 0143370 W 20011120; DK 01995147 T 20011120; DK 09180438 T 20011120; EP 01995147 A 20011120; EP 09180438 A 20011120;
US 73192807 A 20070402; US 98971401 A 20011120